

WHAT IS CLAIMED IS:

1. A thin plate storage container having a container body to store a plurality of thin plates in condition
5 that inside of the container body is kept clean, and a lid to close and seal inside of the container body, wherein the lid is taken off from the lying container body to insert and pick up the thin plates, the container comprising:
10 a lid receptacle placed on the opening part of the container body to place the lid;
a plurality of lid supporters on at least lower edge of four edges of the lid receptacle to support the lid, in condition that the container is laid; and
15 a plurality of contacting portions placed on the opposite part to the lid supporters on the periphery of the lid to contact with the lid supporters and to support the lid.
- 20 2. The thin plate storage container according to Claim 1, wherein the plurality of lid supporters is formed as a protruding dovetail to engage with a dovetail groove on the lid receptacle, and the lid supporters comprising a flat contacting surface on the
25 front side.
3. The thin plate storage container according to Claim 1, wherein the contacting portion further

comprises a fixing plate portion inserted to and fixed on an engagement groove at a corner of the periphery of the lid, and a contacting plate portion held by the fixing plate and formed as curve to cover the corner of the lid, and outer side of the contacting plate portion is a flat contacting surface to contact with the lid supporter.

4. A thin plate storage container having a container body to store a plurality of thin plates in condition that inside of the container is kept clean and a lid to close and seal inside of the container body, the lid is taken off from the container body lying to insert and pick up the thin plates, the container comprising:

15 a supporting member to support the container body;
a base plate portion placed in the supporting member to support the lying container body when the supporting member is set at the lower wall of the lying container body;

20 two side plate portions formed as standing from the base plate portion; and
two handles placed at the two side plate portions, the handle is held to lift the container body.

25 5. The thin plate storage container according to Claim 4, further comprising a plurality of detents on both side walls of the container body to lock the side plate portions of the supporting member.

6. The thin plate storage container according to Claim 4, further comprising a conveyor rail on each of the side plate portions of the supporting member.

5

7. The thin plate storage container according to Claim 4, further comprising a positioning means on the base plate portion of the supporting member to adjust the mounting position of the container body precisely.

10

8. A thin plate storage container having a container body to store a plurality of thin plates and a lid to close and seal the container body, the container comprising:

15 a plurality of thin plate supporting members placed on inner side of the lid to support each of the thin plates at regular intervals; and

in the thin plate supporting member, a plurality of contacting portions to engage with the periphery of the lid to support the thin plates, a plurality of supporting portions to support the contacting portions elastically, and a base supporting bar portion, supporting a plurality of the supporting portions integrally, parallel and at regular intervals, placed at inner side of the lid;

20

25

wherein the end of each supporting portion is integrally interlocked with the base supporting bar portion, and the contacting portions are placed at the

midway of the supporting portions, thereby the tip of the supporting portions contact with the inner side of the lid to support the contacting portions from both sides of the contacting portions elastically.

5

9. The thin plate storage container according to Claim 8, wherein base end of the plurality of supporting portions is formed long and tip end is formed short.

10 10. The thin plate storage container according to Claim 8, wherein the supporting portions are molded as both sides of the contacting portions protrude to the thin plate side in the container body.

15 11. The thin plate storage container according to Claim 8, further comprises a plurality of supporting stages to support the tip end of the supporting portions on inner side of the lid.

20 12. The thin plate storage container according to Claim 8, further comprises a plurality of engagement portions to engage with and support the tip side of the supporting portions on the supporting stages.

25 13. The thin plate storage container according to Claim 8, further comprises a plurality of supporting stage portions on the tip end of the supporting portions to contact with the inner side of the lid and support

the contacting portions elastically from the tip end of the contacting portions.

14. The thin plate storage container according to
5 Claim 8, wherein:

two thin plate supporting members are placed oppositely; and

each contacting portion of each supporting member is aligned as opposing and sandwiching each other to
10 support each of the thin plates at regular intervals.